

**In the Specification:**

Replace the paragraph beginning at page 1, line 9, with the following rewritten paragraph:

The present invention relates to a model predictive control system that uses a statistical model and more particularly but not exclusively to such a system using a ~~DOE~~ Design of Experiments (DOE)-based statistical model for example in a manufacturing control system that uses empirical data as part of an automatic process control (APC) model.